

AMENDMENTS TO THE CLAIMS

Pursuant to 37 C.F.R. § 1.121 the following claim will replace all prior versions of the claim in the application.

1-2. (Cancelled)

3. (Currently Amended) The image processing method of Claim [[2]] 6, further comprising the step of:

compressing each evaluation vector that has been subjected to orthogonal transformation so as to reduce a processing amount.

4. (Currently Amended) The image processing method of Claim [[2]] 6, wherein for said template image, the steps taken until said evaluation vector that has been subjected to orthogonal transformation is compressed are executed before said input image is input, and storing results thereof.

5. (Currently Amended) The image processing method of Claim [[2]] 6, further comprising the step of:

normalizing said evaluation vector with respect to a vector length.

6. (Currently Amended) The An image processing method of ~~Claim 2~~, further comprising the steps of:

wherein a result obtained by subjecting data of this peak pattern to said orthogonal transformation is applied to a product sum calculation of said multiplication unit.

25. (Currently Amended) The image processing apparatus of Claim ~~[[19]]~~ 22, further comprising:

a mask pattern processing part operable to form a mask pattern that depends on said template image and generate data obtained by subjecting data of this mask pattern to orthogonal transformation and by compressing it, wherein a processing result of said mask pattern processing part is applied to a product sum calculation of said multiplication unit.

26. (Original) The image processing apparatus of Claim 25, wherein said mask pattern includes a mean of a number of pixels inside an image of said template image.

27. (Currently Amended) The image processing apparatus of Claim ~~[[19]]~~ 22, further comprising:

a symmetric vector generation unit operable to process positive and negative signs of said evaluation vector of an original template image recorded in said recording unit, and further operable to generate an evaluation vector of a bilaterally symmetric image with respect to said original template image, wherein said evaluation vector generated by said symmetric vector generation unit is applied to a product sum calculation of said multiplication unit.

